

**AMENDMENTS TO THE CLAIMS:**

~~Please~~ amend claims 1, 4-6, 13, and 15-17 as follows.

1. (Currently Amended) A method for developing a graphical device management application comprising:

using a graphical programming language to create a graphical component of a graphical user interface (GUI);

associating the graphical component with a device configuration command;

linking the associated graphical component with a console user interface (CUI) ~~running~~,  
CUI code and configuration kernel (CK) code ~~under the GUI~~, to configure a remote device  
according to the device configuration command, the GUI encapsulating the CUI to form a self-  
contained application; and

building the GUI ~~graphical user interface (GUI)~~ from the linked graphical component, the  
CUI ~~code~~ and the CK ~~code~~, to reflect a state of the CK as communicated by the CUI.

2. (Original) The method of claim 1 wherein associating the graphical component with a device configuration command is performed using a macro.

3. (Original) The method of claim 1 wherein creating a graphical component comprises adding a control to a dialog.

4. (Currently Amended) The method of claim 1 wherein building a GUI comprises compiling the linked graphical component, the CUI, ~~code~~ and the CK ~~code~~ on a general purpose computer system.

5. (Currently Amended) The method of claim 1 wherein building a GUI comprises interpreting the linked graphical component, the CUI, ~~code~~ and the CK ~~code~~ on a general purpose computer system.

C<sup>1</sup>  
6. (Currently Amended) An apparatus comprising:  
a configuration kernel (CK) having code to configure a device from a configuration;  
a console user interface (CUI) having code to update the configuration;  
a graphical user interface (GUI) having code to receive an update to the configuration in response to a user action, wherein the GUI encapsulates the CUI to form a self-contained program; ~~CUI runs the CUI code and the CK code under the GUI;~~ and  
a communications mechanism to communicate the received update from the GUI to the CUI, communicate the updated configuration from the CUI to the CK, and communicate the updated configuration from the CK to the CUI and from the CUI to the GUI, in order to reflect a state of the CK as communicated by the CUI.

7. (Previously Presented) The apparatus of claim 6 wherein the code to configure the device comprises at least one of a variable, a data structure and a function.

8. (Previously Presented) The apparatus of claim 6 wherein the code to configure the device resides in a library linked to the CUI and the GUI.

9. (Previously Presented) The apparatus of claim 6 wherein the code to update the configuration comprises at least one command of a command set.

10. (Previously Presented) The apparatus of claim 6 wherein the code to update the configuration resides in a library linked to the CUI and the GUI.

C<sup>1</sup> 11. (Previously Presented) The apparatus of claim 6 wherein the code to configure a device is a reusable firmware, the reusable firmware having been originally coded for operation on the device.

12. (Previously Presented) The apparatus of claim 6 wherein the code to update the configuration is a reusable firmware, the reusable firmware having been originally coded for operation on the device.

13. (Currently Amended) A computer-readable medium comprising computer-executable instructions for performing:

using a graphical programming language to create a graphical component of a graphical user interface (GUI);

associating the graphical component with a device configuration command;

linking the associated graphical component with a console user interface (CUI)-~~running,~~  
~~under the GUI, CUI code and configuration kernel (CK) code,~~ to configure a remote device  
according to the device configuration command, the GUI encapsulating the CUI to form a self-  
contained application; and

building the GUI graphical user interface (GUI) from the linked graphical component, the  
CUI ~~code~~ and the CK ~~code~~, to reflect a state of the CK as communicated by the CUI.

C<sup>1</sup> 14. (Original) The computer-readable medium of claim 13 further comprising  
computer-executable instructions for performing associating the graphical component with a  
device configuration command using a macro.

15. (Currently Amended) The computer-readable medium of claim 13 further  
comprising computer-executable instructions for performing compiling the linked graphical  
component, the CUI ~~code~~ and the CK ~~code~~ on a general purpose computer system.

16. (Currently Amended) The computer-readable medium of claim 13 further  
comprising computer-executable instructions for performing interpreting the linked graphical  
component, the CUI ~~code~~ and the CK ~~code~~ on a general purpose computer system.

17. (Currently Amended) A method of configuring a networked device using a  
workstation comprising:

identifying a registered command that matches a configuration command, wherein the  
configuration command describes a state of a configuration kernel for the networked device, and

the registered command identifies a graphical user interface graphical component associated with the configuration command;

initializing, as a result of identifying the match, the graphical component to a corresponding state of the configuration kernel;

displaying, on a window of a remote workstation, the initialized graphical component;

receiving an update to the configuration command from a user action on the associated graphical component;

C<sup>1</sup> passing the updated configuration command to a console user interface that is encapsulated by the graphical user interface; ~~runs console user interface code and configuration kernel code under the graphical user interface;~~ and

updating by the console user interface the state of the configuration kernel with the passed updated configuration command.

18. (Previously Presented) The method of claim 17 further comprising:

determining whether the updated configuration command is interdependent with a second configuration command, and if so refreshing the graphical component associated with the second configuration command to reflect the updated state of the configuration kernel.

19. (Original) The method of claim 17 further comprising:

uploading the updated state of the configuration kernel to the remote networked device.

C<sup>2</sup> 20. (Previously Presented) The method of claim 1, wherein building the GUI from the linked graphical component, the CUI and the CK, to reflect the state of the CK as communicated by the CUI, comprises:

interrogating the CUI for a list of configuration commands that describe the state of the CK;

comparing a configuration command to a register of commands that identifies an associated graphical component for each configuration command, wherein the configuration command describes the state of the CK for the remote device, and the registered command identifies a graphical component associated with the configuration command;

identifying the registered command that matches the configuration command; and

initializing, as a result of identifying the match, the graphical component to a corresponding state of the CK.

Cd 21. (Previously Presented) The computer-readable medium of claim 13, wherein the computer-executable instructions for performing building the GUI from the linked graphical component, the CUI and the CK, to reflect the state of the CK as communicated by the CUI, comprise computer-executable instructions for performing:

interrogating the CUI for a list of configuration commands that describe the state of the CK;

comparing a configuration command to a register of commands that identifies an associated graphical component for each configuration command, wherein the configuration command describes the state of the CK for the remote device, and the registered command identifies a graphical component associated with the configuration command;

identifying the registered command that matches the configuration command; and  
initializing, as a result of identifying the match, the graphical component to a corresponding state of the CK.